

## DRAINING SWAMPS ON CHICKAHOMINY

Forthcoming Report of Engineer Warren Will Show Value of the Work.

NOW UP TO LAND OWNERS

Interesting Facts and Figures From Advance Copy of the Government's Conclusions.

George W. Warren, drainage engineer of the Agricultural Department of the United States government, who was at the head of the work of surveying the lowlands of the Chickahominy River, has completed his work and will soon issue in pamphlet form his report showing the work done and the conclusions reached. The work of Mr. Warren, first to ascertain if it is feasible to drain the vast lands known as the Chickahominy Swamp and then to set forth what will be the cost of the same, and incidentally to pass upon the question as to whether the work is worth the candle.

I have had a peep at the manuscript of Mr. Warren's forthcoming report. The publication will abound in maps and illustrations and will contain a vast deal of valuable data, much of which was obtainable only from the Virginia State Library. The officials of that establishment opened wide the doors to Engineer Warren and his corps of assistants, and from the maps and profiles and other data they found they obtained much information to help make their report intensely interesting. Mr. Warren has shown his appreciation of the assistance rendered him by sending to the library a complete manuscript copy of his forthcoming report, and this is the advanced copy I have been permitted to inspect.

Full and complete as the report upon the drainage of the Chickahominy River in Hanover, Henric, New Kent and Charles City Counties, by George W. Warren, Drainage Engineer, assisted by John R. Haswell and Newton B. Wade, Assistant Engineers. It is explained in the outset that the government made the investigation to determine facts, in order that a considerable body of citizens may act understandingly in the matter of reclaiming and making profitable thousands upon thousands of acres of valuable lands that are now only swamps. The report, which is very full and comprehensive, discusses the value of these now worthless swamp lands, or the value that can be given to them; also the vegetation that may be expected, the climatic conditions of the section under investigation, the cost and the plan of the work of proper drainage, the cost of bridges, and, in fact, all of the details necessary to give the people a clear idea of the whole subject.

According to the report, the cost of making thorough drainage of these lands will be only a little over \$100,000, as follows: cost of channels, \$113,749; cost of bridges, \$21,715; engineering, organization and other contingencies, about \$21,000, making a grand total of \$161,500.

New Up to Land Owners. The government has now done its part; it having sent here its men to fully investigate the conditions in the swamp lands, to determine the feasibility and the cost of draining the same and the value of the lands after they shall be drained. It is now up to the owners of the property and the State of Virginia to take advantage of the good work that has been done.

The report in conclusion discusses these points, and I quote from the same. Mr. Warren says: "The leaders of the movement for better drainage will be met with opposition and discouragement. It is idle



**Protect Your Homes and Reduce Your Insurance**

By installing my system of Lightning Rods on your homes, stores and other buildings. Safe and give protection. Send me a postal for information.

W. A. ROBERTSON, Chevy, Va.

**Lighting Fixtures**

GAS-ELECTRIC COMBINATION.

**W. F. Mahoney**

523 East Main.

**Bonded Premises**

One of seven similar plants in the United States.

Expert Storage Service to Merchants, Dealers, and Manufacturers.

FORTY-ACRE FIELD IN CULPEPER COUNTY THAT PRODUCED 120 TONS A-1 PEA HAY.

## PLAN FOR SYSTEM OF RURAL BANKS

(Continued From First Page.)

It will require capital to do the work. The expenditure must be backed by a definite plan and policy and pursued in a concerted and energetic manner, as in other successful business enterprises. It is seldom that any other policy is rewarded by lasting success, and the Department of Agriculture is endeavoring to hasten the day when land drainage will be more extensively practiced than now, when it will be conducted upon a more scientific and hence a more stable basis, when securities of drainage undertakings will be referred to as "reclamations," "systems" or "works," and not, as now is generally the case, as "projects," with all the implications contained in the word.

Continuing the authors of this report say: "Should the plan as outlined in this report be carried out, what results might be expected? It is not the purpose here to hold out flattering inducements, for the great advantages and benefits of drainage are well known. One suggestion, however, may be useful. Good English hay is always in demand in the Atlantic States. First quality Timothy hay is to-day (May, 1912) quoted at \$33 per ton f. o. b. Richmond, the supply coming mainly from the Middle West. At this price and a yield of only one ton per acre per year, the Chickahominy River bottom lands would produce a gross revenue of nearly \$500,000 annually.

Not exceeding eighty-five per cent of the check deposits of any Local Rural Bank, and such portions of its capital, surplus and undivided profits such portions of the ninety per cent of the time loans as are not loaned out as heretofore provided, may be loaned out by any Local Rural Bank on short time commercial paper running not longer than four months, and secured by one good endorsement other than the maker or by easily convertible collateral; or may be loaned to individuals on notes with two good endorsers other than the maker or secured by easily convertible collateral; or may be loaned on the credit of warehouse receipts for farm products, but all such loans shall be made subject to such regulations as the Rural Banking Department may prescribe. And such money may also be loaned to such co-operative associations or corporations as may be hereafter organized, under plans approved by said Rural Banking Department for the purpose of purchasing at wholesale prices, seed, fertilizer, farm machinery, farm supplies or farm animals or similar products to be sold to the members of such association substantially at cost; or to such co-operative elevator or warehouse or similar associations or corporations as may likewise be hereafter similarly organized, with the approval of such Rural Banking Department for the storage, handling and sale of the farm products of members of such associations and others. All such loans to be made under such rules and regulations as such Rural Banking Department may see fit to regulate."

Central Rural Bank in Richmond. The head of the entire system of local rural banks is to consist of a central rural bank in Richmond. "This bank shall have a minimum capital stock of \$100,000, with power of indefinite increase. Its share to be of the par value of \$5 each, to be sold at par for cash when the bank is organized. The entire minimum capital of \$100,000 to be subscribed and paid for at the time of organization by the State of Virginia, a special appropriation being made for that purpose. And the stock so subscribed for shall be sold and distributed to the local rural banks by the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

der the plan of the Central Rural Bank, as above outlined, at par as fast as such local banks are organized, un-

## VIRGINIA TRUST CO A MODEL CONCERN

(Continued From First Page.)

A. Gordon, attorneys at law; J. J. Montague, vice-president Planters National Bank; L. E. Morris, president Savings Bank of Richmond; James B. Mosby, capitalist; Samuel T. Morgan, president Virginia-Carolina Chemical Company; T. William Pemberton, vice-president Life Insurance Company of Virginia; Morton B. Rosenbaum, director Planters National Bank; Frits Sitterding, president Sitterding-Carnell-Davis Company, lumber; T. C. Williams, Jr., director First National Bank; Philip Whitlock, founder Old Virginia Chevrolet.

The business men of Virginia have been slow in forming a great institution that has as its chief business the handling of trust funds for the people. Some souls have a confused idea of the word "trust," supposing it to apply only to those industrial combinations which operate in the restraint of trade, with the result of putting up prices of their commodities. The modern trust company, however, which has for its mission that of acting as executor, trustee and in all other fiduciary capacities, is one of the most beneficial institutions that any city can boast of. It is a conservator of wealth; it safely handles small as well as large estates. Instead of the individual guardian and trustee, it is now universally recognized that a strong institution is preferable, acting in these capacities.

So far as I know, Richmond is the only city in the commonwealth which has a great fiduciary trust company. The citizens of this community are proud of it. Within the past three years the Virginia Trust Company has had a remarkable growth, and has established itself more firmly than ever before in the confidence of the people. It is a beneficial institution, and I am writing about it, because I am of the opinion that there are other cities in the State that would do well to follow Richmond's example in this regard, that is, to organize a strong trust company, which if it be a success, must be surrounded by the strongest and most conservative men in the community and if it be modeled after the Virginia Trust Company and other similar companies of like capacity and like general caliber it will be a success.

Why should not estates, great and small, be administered upon by a strong company rather than by an individual? It costs no more to have such a company to act as trustee and executor than if an individual were acting in that capacity; as a matter of fact, in most cases it costs less. In the hands of such a company estates are always promptly settled up, the laws of the land and the integrity of the company being guarantees against the long delays that too often arise to fret and to annoy under the old system of individual executorship. By the methods of this company every security belonging to a depositor is kept separate and distinct from all other trust funds and from the assets of the company.

More companies of this kind in other parts of Virginia and the South would be a good thing for the country.

F. A. W.

## RURALITE'S VIEW OF BIG EXPOSITION

(Continued From First Page.)

which are naturally somewhat different. Therefore the crops raised will differ more or less in their nature, and this it is that the farm products display at the fair will offer a variety that should be most interesting to the practical farmer.

Live Stock Features. In the live stock features we have a subject that is becoming of more importance each year with us; therefore it behooves the visitor at the fair, who is anyway interested in this most important branch of farming, to carefully inspect the exhibits in this line of the Virginia farms, compare them with those sent him from other States, and in doing this he will be able to make reasonable deductions.

In the few years the commercial fruit interests of Virginia have increased to such an extent that the Virginia apple is as well known on foreign as on domestic markets. The Virginia Horticultural Society and the Virginia Farmers' Association lend an impetus to this movement. The exhibits of Virginia fruit at the fair should certainly prove to be a temptation that they wrong if they thought that the best could not be raised here.

The Farmer and His City Cousins. A great State fair is the means of bringing the farmer and the city man together. The former raises the product, the latter manufactures or sells, or both, as the case may be. This week there is going to be an interchange of ideas between these two very important classes of citizens.

The same may be said of the farmer's wife and her city sister, for there will be, as usual, a fine display of those many good eatables that are naturally the pride of a Virginia housekeeper's heart. There will be views to be exchanged on canning preserves and the like. And in keeping with the established idea, the country folk in our State have the best to eat, and prove it by not only entertaining all comers, but also by sending attractive samples of their edibles to be exhibited at our fair.

SOME PEA HAY.

Culpeper, Va., October 5.—The almost phenomenal crop raised this season on a 140-acre farm one mile north of Culpeper have justly entitled it to be called the Model Small Farm of this section. Forty acres of this land were planted in pea hay, which, when harvested in early September, amounted to 120 tons. In the picture, which was taken on the 12th of September, it is shown how thick the growth stands, and some idea of the size of them may be gained when it is known that the gentleman standing by them is the owner, Jackson Bygones, a man considerably over six feet in height. Thirty acres of this farm cut two and one-half tons of the hay. It is thereby seen that the pea hay grows as well as it does in Maryland, and ten more are in blue grass and woods hays. The twenty-acre cornfield has been a picture of prosperity all summer, and a conservative estimate puts the yield at twenty barrels to the acre. Mr. Bygones is a firm believer in the future of small farms, he has a view to visit to the State Fair, and to one of the grounds of that movement in this country.

## SPECIAL BARGAIN

## Six Million Feet of Pine Timber

Two miles from railroad station, \$12,000. Rare bargain, and will go quickly, so write or see us.

Watch this space for announcement of Auction Sale of lots and small farms, near Petersburg, Tuesday, December Third.

Correspondence solicited. Address

## Atwood-Kennedy Co., Inc.,

Virginia National Bank Building,

Petersburg, Va.

Bank of Lunenburg Building,

Kenbridge, Va.

## VIEW AND NEAR VIEWS; HINTS AND SUGGESTIONS

New Word That Fits Well In Richmond—Bird Protection—Premiums That Are Premiums.

That Fifty-Million Dollar Tobacco Company—Various and Sundry Off-hand Hints and Houghts.

BY FRANK A. WOODSON, Industrial Editor.

This column is open to contributors who have something to say of a suggestive nature, and who are willing to make brief and crisp contributions looking to the better development of the good old State of Virginia, West Virginia and North Carolina, and who can hold their suggestions down in any one issue to from 150 to 200 words. Such communications, addressing to the Industrial Editor, will receive prompt attention.

"Spissierinkum."

New words are constantly being invented and finding their way into the dictionaries. We no longer go back to Latin and Greek to find words to express our ideas and our thoughts, but political emergencies and industrial development call for new ones. Somebody has just invented the word "remarkability," which doth not yet appear in the dictionaries, and it is rather remarkable that this new adverb, if such it is, was called into being to describe Woodrow Wilson in his campaign talks. There is another word but recently invented in the industrial world, and it has been "remarkability" to a place in the dictionary. This new one is "Spissierinkum." The newest dictionary published defines "spissierinkum" as follows: "vim; go; intense energy; the overmastering will to succeed. I am not discussing the appropriateness of the new word, although I might remark that it is to my mind a trifle too long for general use in this busy day and time. I am just calling attention to the fact that in Greater Richmond there is to be found a vast amount of spissierinkum; it abounds in all branches of business and in all classes of trade, and yet there is a lot of room for more spissierinkum in this good old city. I know of a number of factories and shops and a number of enterprises into which a little more spissierinkum might with propriety be injected. Let us all hope that all of the members of the City Administrative Board will accumulate a whole lot of spissierinkum by the time they take their oaths of office and show as early as possible that they were accumulating it. Thus set upon the busy hills of Richmond to infuse spissierinkum into all classes of industry and development and business.

State Fair week is here again, and Greater Richmond is going to be on its best behavior, and thus make every visitor to the city glad he or she came to see us.

There was once a poet who wrote: Build to-day, then strong and true, With a firm and ample base.

But in justice to the gentleman's good sense it ought to be pointed out he did this before the price of building materials commenced to advance at the rate of 5 per cent a month.

Eggs are cheaper in New York than in Richmond, and this in spite of the fact that Gotham consumes a billion and a half of eggs per year and is many more miles from the laying hens than is Richmond.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

It is said that the best recorded speed for a running horse is sixty-two feet a second. But that time will be broken on the Fair Ground track this week.

## CENSUS STORY OF VIRGINIA CITIES

(Continued From First Page.)

total of 992 industrial establishments, or a little over 15 per cent of the 6,666 in the State. These 992 establishments are distributed as follows: one-half, the numbers for the two cities being 330 and 315, respectively. While the number of industrial establishments in Richmond do not quite double those of Norfolk, the wage-earners employed in the former city are more than three times as many, there being 14,949 in Richmond and 4,749 in Norfolk. These figures would indicate that the plants in the capital city are much larger than those of the thriving seaport.

The value of products from these establishments, however, are still more striking, the annual total worth from those of Richmond being \$47,358,000, and those from Norfolk being \$19,341,000. Lynchburg, with only eighty-two manufacturing plants, has an annual output valued at \$19,198,000. The annual value of Richmond's products, less cost of material (that is, the value added by manufacture), is \$33,048,000, while for Norfolk the figures are \$4,959,000. In other words, the annual net value of the manufactured products of Richmond is more than the total of the nine other Virginia cities of over 10,000 inhabitants. These figures show the city's output being as follows: Richmond, \$23,948,000; Norfolk, \$4,959,000; Lynchburg, \$2,723,000; Roanoke, \$3,217,000; Petersburg, \$2,137,000; Danville, \$1,153,000; Alexandria, \$1,493,000; Portsmouth, \$752,000, and Staunton, \$327,000. The number of workmen employed in industrial establishments in Richmond exceed all those in the nine other Virginia cities.

It may also be interesting to add that the capital invested in factories in Richmond, while decreasing from \$30,942,000 to \$20,000,000, or 1 per cent, between 1905 and 1910, the gross value of the products during the same period increased from \$27,745,000 to \$47,358,000, or 75 per cent, and the average number of wage-earners went from 12,444 to 14,949, or 19 per cent. These figures show not only a healthy, but a marvellous, growth in the employment of industries and the profit derived therefrom. In the same five years the capital invested in Roanoke increased from \$2,457,000 to \$4,938,000, or 93 per cent, and the value of products from \$2,545,000 to \$7,351,000, or 51 per cent, and the number of wage-earners from 2,000 to 3,500, or 55 per cent.

## SECOND HAND BAGS BOUGHT AND SOLD

ANY KIND, ANY QUANTITY, ANYWHERE.

WRITE US WHAT YOU HAVE TO SELL WHAT YOU WANT TO BUY We Will Do the Rest.

**RICHMOND BAG CO.**

1110 E. Cary St., Richmond, Va.

This Company is Furnishing

**Lighting Fixtures**

And Wiring for Confederate Memorial Hall (The Battle Abbey).

**W. B. Catlett Electric Co.**

525 East Main St. Largest Showroom in the South

FOR OUT-DOOR ADVERTISING

CONSULT The Barton System

Richmond, Va.

COMMERCIAL SIGN PAINTERS.

## MUCH BUILDING AND DEVELOPMENT

(Continued From First Page.)

porated with \$100,000 capital stock, will develop 1,275 acres of coal land for a daily capacity of 500 tons and plans to operate by electricity.

Southern Manufacturing Company, Richmond, Va., awarded contract for constructing \$64,000 factory and warehouse addition of steel, concrete and brick, eleven stories high; will provide facilities for increasing building power output.

Fontaine-Lumby Company, Danville, N. C., was incorporated with \$25,000 capital stock to manufacture lumber.

Caroline Mineral Company, Painted, N. C., will develop 3,010 acres of land containing copper, iron, etc.

## APPEAL

The Richmond Post-Dispatch and Times of Virginia, Va. is in great need of funds this summer. We need money for our maintenance and for the purchase of new equipment. We are a small paper with a large circulation. This is a time of love and of faith, and we are appealing to you for help. The more you give, the more we can do for you. We are sure that you will help us in our time of need. We are sure that you will help us in our time of need. We are sure that you will help us in our time of need.

Free report on the future of the South. New List Inventories Wanted and Free offers for the future of the South. Write to us for more information.

Victor J. Evans & Co., Washington, D. C.

**PATENT**

Free report on the future of the South. New List Inventories Wanted and Free offers for the future of the South. Write to us for more information.

Victor J. Evans & Co., Washington, D. C.

**RICHMOND**

**Printing**

Our prices are reasonable and our work is of the highest quality. We are sure that you will be satisfied with our work. We are sure that you will be satisfied with our work. We are sure that you will be satisfied with our work.

Whitaker & Shapperson

100 N. 10th St., Richmond

**Virginia Farms**

All sizes and descriptions. Country Farms and Free Land. Excellent for investment. Catalogue on request.

Whitaker & Shapperson

100 N. 10th St., Richmond